Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/26/2021 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124546	-1	2.97	124682	2.91
Blue	F	SSC	125000	122841	-2	3.93	123780	3.85
Blue	E	FITC	14203	13749	-4	3.18	299	15.93
Blue	D	PE	25703	25222	-2	2.86	547	10.97
Blue	B	PerCP-Cy5-5	42104	41020	-3	3.53	922	15.28
Blue	A	PE-Cy7	34646	34548	-1	4.75	500	29.82
Red	C	APC	49824	49335	-1	3.14	1510	11.51
Red	A	APC-Cy7	39773	38947	-3	3.10	744	11.80
Violet	B	V450	7447	7089	-5	4.47	399	12.76
Violet	A	V500	31193	30053	-4	4.22	681	10.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21722	3.07	556	0	N/A	N/A	Pass
Blue	F	SSC	54356	3.38	518	6	N/A	N/A	Pass
Blue	E	FITC	55	55.60	488	2	0.0383	182	Pass
Blue	D	PE	107	40.43	490	5	0.3780	318	Pass
Blue	B	PerCP-Cy5-5	176	37.65	582	5	0.0176	66	Pass
Blue	A	PE-Cy7	114	66.90	628	8	0.0215	14	Pass
Red	C	APC	351	23.96	569	2	0.0275	86	Pass
Red	A	APC-Cy7	206	23.86	546	2	0.0059	251	Pass
Violet	B	V450	88	42.60	450	1	0.0527	1988	Pass
Violet	A	V500	119	31.41	468	1	0.0247	996	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/26/2021 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.21	-31.88	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.33	15.99 - 23.99	N/A	N/A	30.18	30.52	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10422

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments